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ATTACHMENT 1

CLEAN VERSION OF AMENDED CLAIM

Claims 1, 15 and 20 as amended:

1. A method for increasing absorption of light radiation incident on a surface of a photo responsive device which comprises the step of forming a grating on the surface of said photo responsive device upon which the light is incident such that higher grating orders are generated within said photo responsive device and a greater amount of the incident light entering said photo responsive device propagates more closely to the surface upon which the light is incident than is achieved by a refractive surface, thereby increasing light absorption by said photo responsive device close to the surface upon which light is incident.

15(Twice Amended). A method for producing a solar cell having increased absorption of light radiation incident on a surface thereof which comprises the steps of: (a) forming a grating on the surface of said solar cell upon which the light is incident such that higher grating orders are generated within said photo responsive device and a greater amount of the incident light entering said photo responsive device propagates more closely to the surface upon which the light is incident than is achieved by a refractive surface; (b) removing surface contamination; (c) forming an n-type junction using gas source doping; and (d) forming n- and p-electrical contacts.

20(Twice Amended). A method for producing a solar cell having increased absorption of light radiation incident on a surface thereof which comprises the steps of: (a) forming a grating on the surface of said solar cell upon which the light is incident such that higher grating orders are generated within said photo responsive device and a greater amount of the incident light entering said photo responsive device propagates more closely to the surface upon which the light is incident than is achieved by a refractive surface; (b) cleaning the surface to remove surface contamination; (c) forming an n-type junction by ion implantation; (d) annealing the solar cell formed thereby; and (e) forming n- and p-electrical contacts.